

Rat MMP-9 Monoclonal Matched Antibody Pair, PBS Only

Catalog Number:MP50079-1

Capture Antibody Information

Catalog Number: 68695-1-PBS	Clone ID: 1B1C2	Conjugate: Unconjugated
Host: Mouse	Reactivity: rat	Full name: matrix metalloproteinase 9
Isotype: IgG1	GenBank: NM_031055.2	Gene ID: 81687
Purification Method: Protein G purification	Immunogen Catalog Number: Eg0439	

Detection Antibody Information

Catalog Number: 68695-3-PBS	Clone ID: 2C6B6	Conjugate: Unconjugated
Host: Mouse	Reactivity: rat	Full name: matrix metalloproteinase 9
Isotype: IgG1	GenBank: NM_031055.2	Gene ID: 81687
Purification Method: Protein G purification	Immunogen Catalog Number: Eg0439	

Applications

Tested Applications: Sandwich ELISA	Range: 62.5-4000 pg/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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Product Information

MP50079-1 targets MMP-9 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat Mmp9 Monoclonal antibody, PBS Only (Capture) 68695-1-PBS (1B1C2). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat Mmp9 Monoclonal antibody, PBS Only (Detector) 68695-3-PBS (2C6B6). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

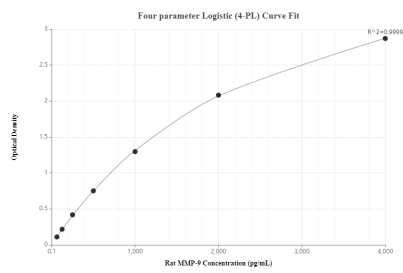
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

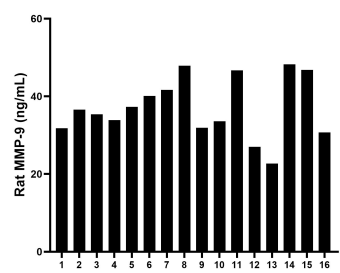
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

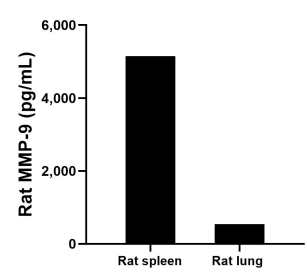
Selected Validation Data



Sandwich ELISA standard curve of MP50079-1, Rat Mmp9 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68695-1-PBS. Detection antibody: 68695-3-PBS. Standard: Eg0439. Range: 62.5-4000 pg/mL.



Serum of sixteen rats was measured. The MMP-9 concentration of detected samples was determined to be 37.0 ng/mL with a range of 22.7-48.2 ng/mL.



Rat spleen and lung tissues from one adult rat (chopped in 1-2 mm pieces in 30 mL of medium) were cultured in RPMI supplemented with 10% fetal bovine serum and 50 μ M β -mercaptoethanol. Aliquots of the cell culture supernates were removed, assayed for levels of rat MMP-9, and measured 5,145.7 pg/mL and 540.2 pg/mL, respectively.